

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,830,825 B2
APPLICATION NO. : 10/590375
DATED : November 9, 2010
INVENTOR(S) : Yan Fu and Haitao Hu

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

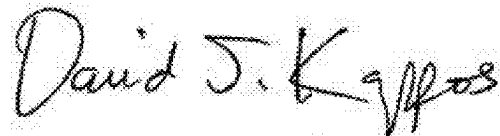
Delete the title page and substitute therefore the attached title page showing the corrected number of claims in patent.

In Column 6, lines 45-47 (Claim 1, lines 10-12) which reads: "that at least one multicast authority corresponding each corresponds to many multicast users" should read --that at least one multicast authority each corresponds to many multicast users.--.

Column 10, lines 24-28, Claim 17 should be cancelled.

This certificate supersedes the Certificate of Correction issued September 27, 2011.

Signed and Sealed this
Twenty-fifth Day of October, 2011

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D" and a stylized "K".

David J. Kappos
Director of the United States Patent and Trademark Office

(12) **United States Patent**
Fu et al.

(10) **Patent No.:** **US 7,830,825 B2**

(45) **Date of Patent:** **Nov. 9, 2010**

(54) **METHOD FOR REALIZING THE
MULTICAST SERVICE**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 313 days.

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§ 371 (c)(1),

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H04H 20/71 (2008.01)

(52) **U.S. Cl.** 370/312; 370/390; 370/473

(58) **Field of Classification Search** 370/230,
370/252, 253, 310, 360, 389, 390, 392, 395.1,
370/395.21, 395.31, 395.52, 395.53, 400,
370/408, 420, 471, 473, 474, 475

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,956,716 A * 9/1999 Kenner et al. 707/10

(Continued)

FOREIGN PATENT DOCUMENTS

CN 1419363 A 5/2003

(Continued)

OTHER PUBLICATIONS

"A JINI/JAVA based streaming framework for group communica-
tion" Networks, 2002. ICON 2002. 10th IEEE International Confer-
ence on Aug. 27-30, 2002, Piscataway, NJ, USA, IEEE, Aug. 27,
2002, pp. 139-144, XP010603609 ISBN: 0-7803-7533-5.

(Continued)

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(57) **ABSTRACT**

The present invention discloses a method for implementing multicast services, which includes: preset a mapping relation between a multicast user address and a multicast group address; acquire a request packet sent by the multicast user who requests to join in the multicast group; determine whether the multicast group address in request packet is the same as that corresponding to the multicast user in the established mapping relation according to the multicast user address and multicast group address carried in the request packet. If yes, allow the multicast user to join in the multicast group. Otherwise, prohibit the multicast user from joining in the multicast group. The present invention can open the preset multicast resources to the preset multicast user with speed and pertinence. At the same time, it limits the maximum number of multicast groups that each multicast user is allowed to join in, which can effectively control multicast service bandwidth and further protect the network equipment.

17 Claims, 2 Drawing Sheets

